

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
 Data File : BF116953.D
 Acq On : 11 Sep 2019 18:27
 Operator : HP/JU
 Sample : K4786-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 12 07:04:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 17:49:40 2019
 Response via : Initial Calibration

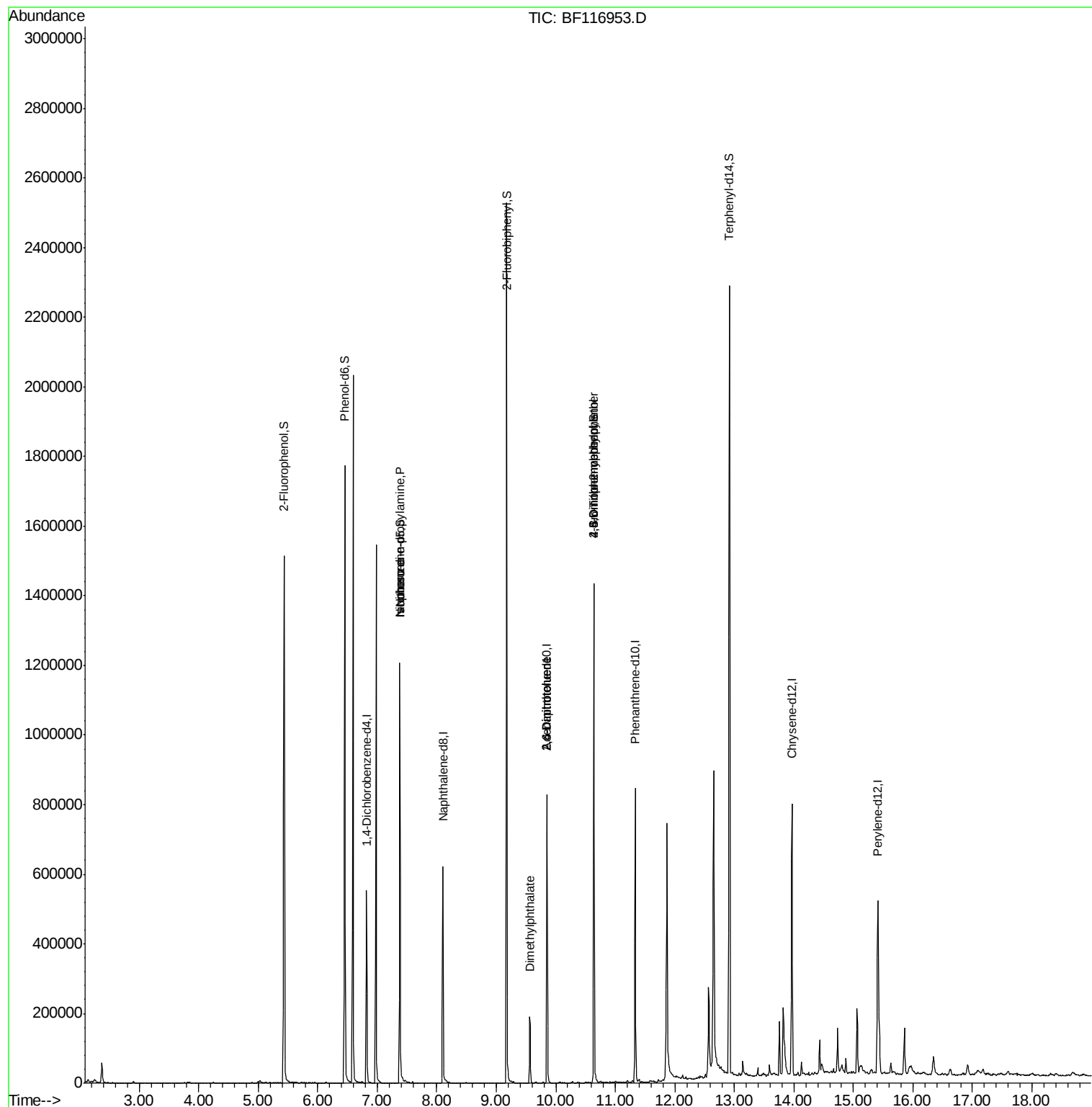
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	79134	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	317755	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	171134	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	293453	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	242015	20.00	ng	-0.02
87) Perylene-d12	15.41	264	237731	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	474008	97.04	ng	-0.01
7) Phenol-d6	6.46	99	646330	100.77	ng	-0.02
23) Nitrobenzene-d5	7.38	82	401332	72.10	ng	-0.02
42) 2,4,6-Tribromophenol	10.64	330	147227	128.69	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	750301	73.96	ng	-0.02
79) Terphenyl-d14	12.92	244	813653	62.19	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	53666	12.707	ng	# 72
25) Isophorone	7.38	82	401328	35.582	ng	# 66
50) Dimethylphthalate	9.56	163	78853	6.674	ng	# 99
51) 2,6-Dinitrotoluene	9.85	165	21374	9.482	ng	# 19
57) 2,4-Dinitrotoluene	9.85	165	21374	7.754	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.64	198	123	7.547	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	9223	3.094	ng	# 1

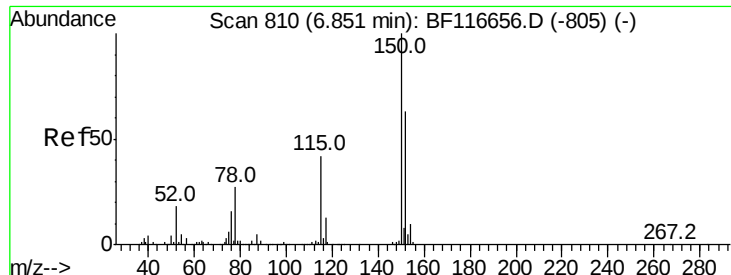
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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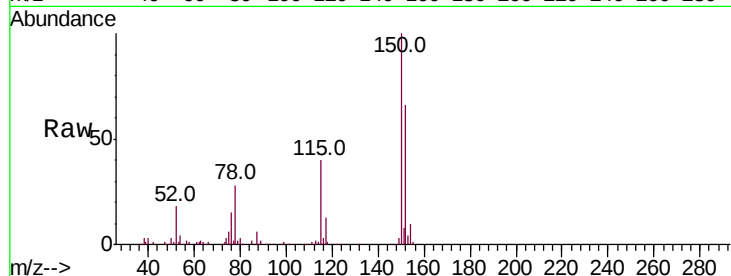


#1

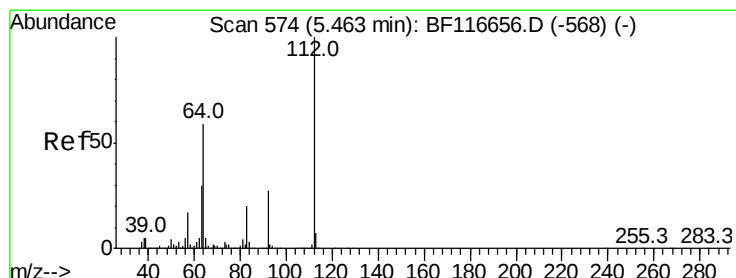
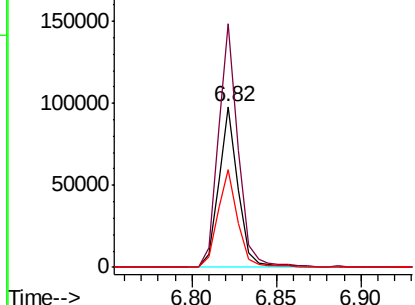
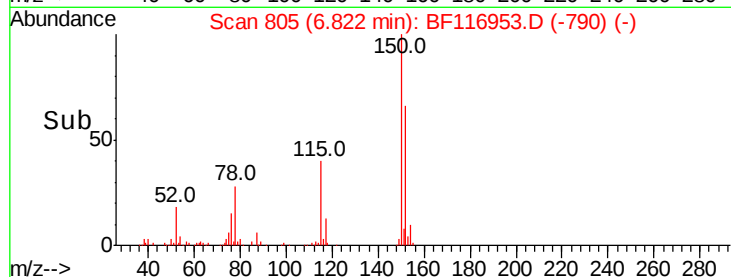
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF116953.D
Acq: 11 Sep 2019 18:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.3	124.4	186.6
115	61.1	49.9	74.9



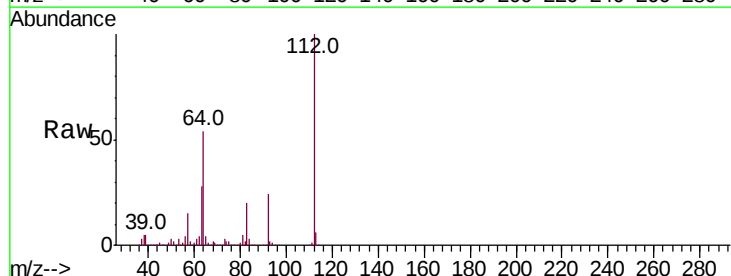
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



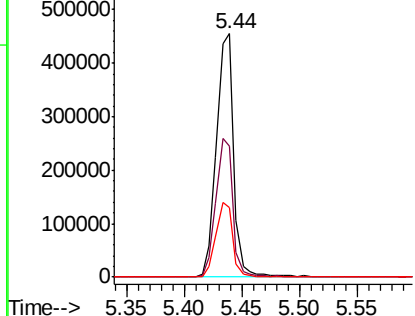
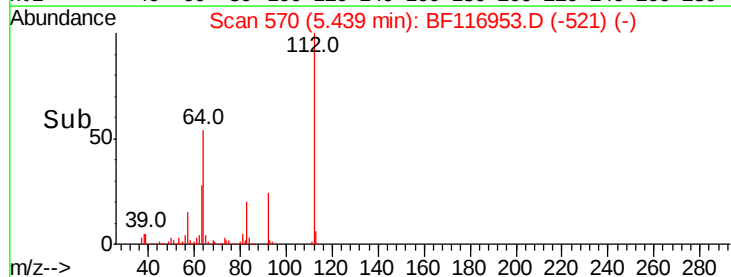
#5

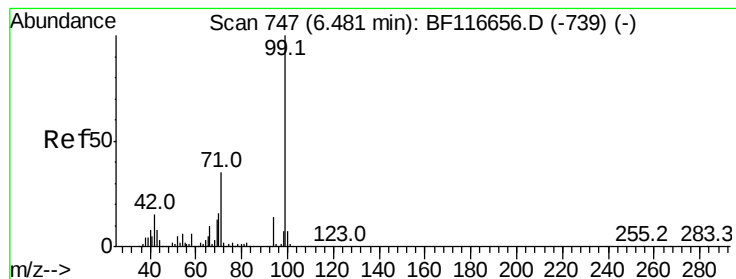
2-Fluorophenol
Concen: 97.040 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.01 min
Lab File: BF116953.D
Acq: 11 Sep 2019 18:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	47.1	70.7
63	28.3	24.9	37.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 100.767 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF116953.D

Acq: 11 Sep 2019 18:27

Instrument :

BNA_F

ClientSampleId :

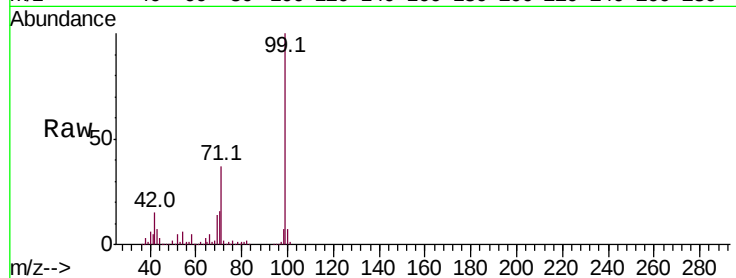
Tot Ion: 99 Resp: 646330

Ion Ratio Lower Upper

99 100

42 14.9 13.7 20.5

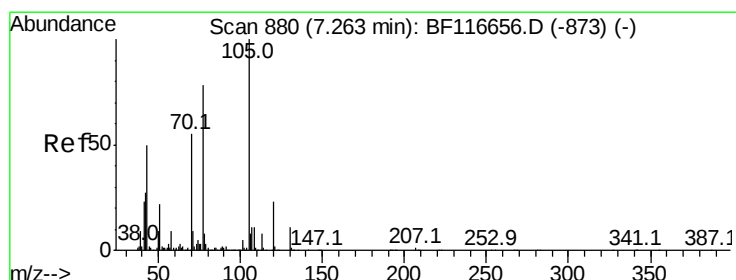
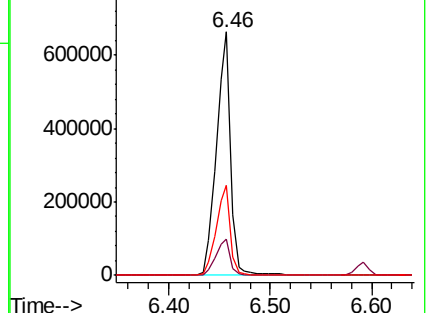
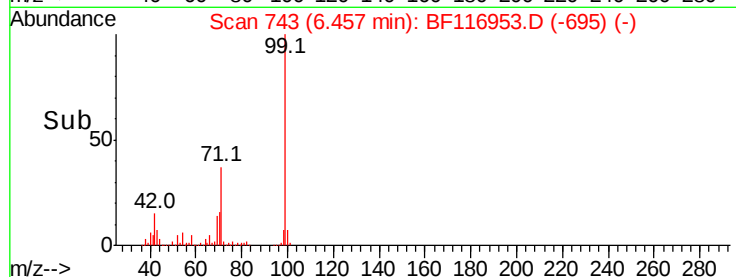
71 36.8 30.8 46.2



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 12.707 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.13 min

Lab File: BF116953.D

Acq: 11 Sep 2019 18:27

Tgt Ion: 70 Resp: 53666

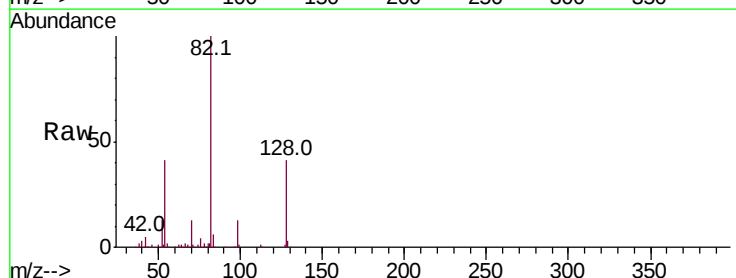
Ion Ratio Lower Upper

70 100

42 37.1 43.5 65.3#

101 0.0 7.8 11.6#

130 1.9 16.6 24.8#

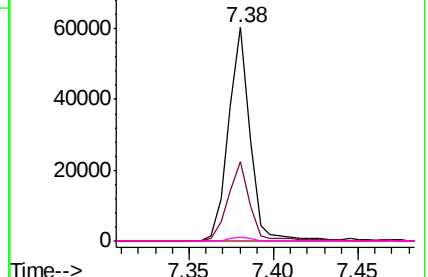
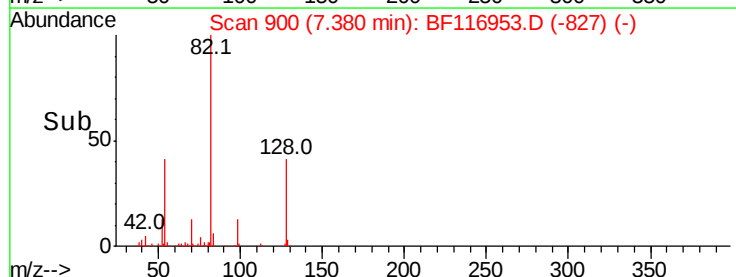


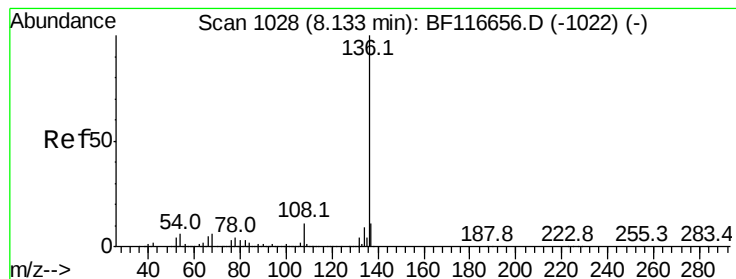
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BF116953.D

Acq: 11 Sep 2019 18:27

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 317755

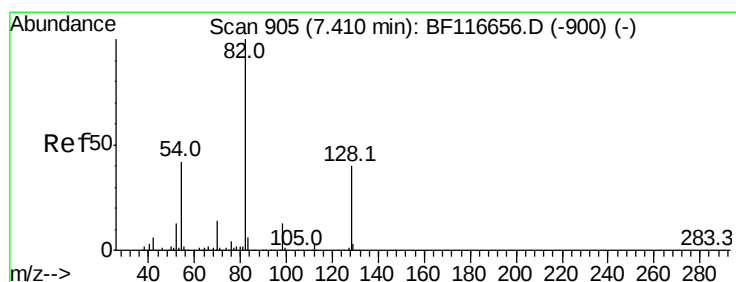
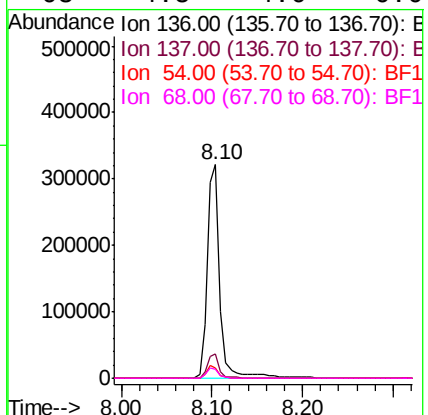
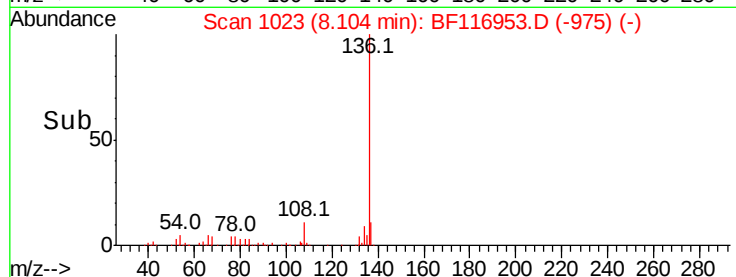
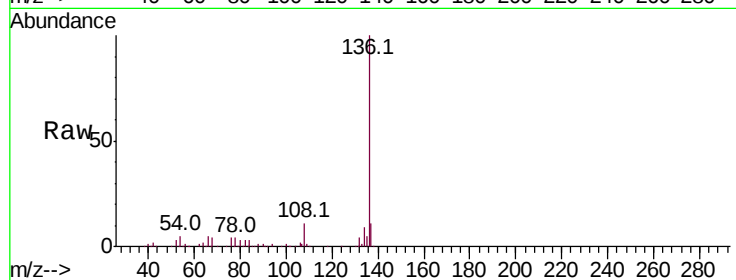
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 5.0 4.8 7.2

68 4.5 4.0 6.0



#23

Nitrobenzene-d5

Concen: 72.103 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.02 min

Lab File: BF116953.D

Acq: 11 Sep 2019 18:27

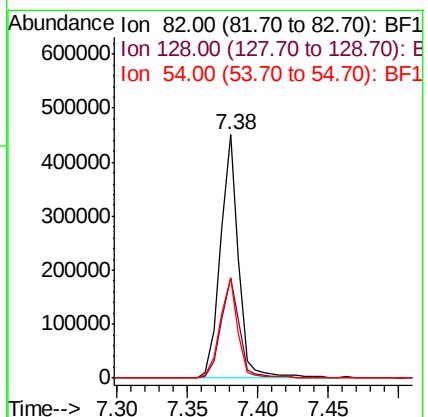
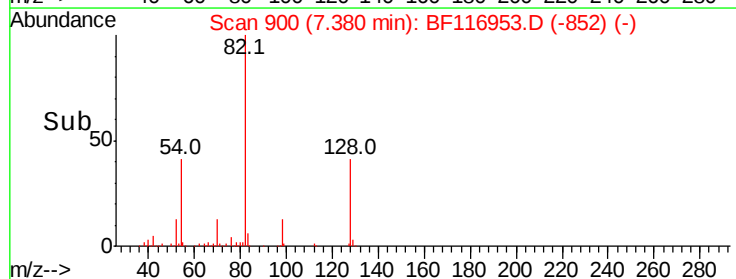
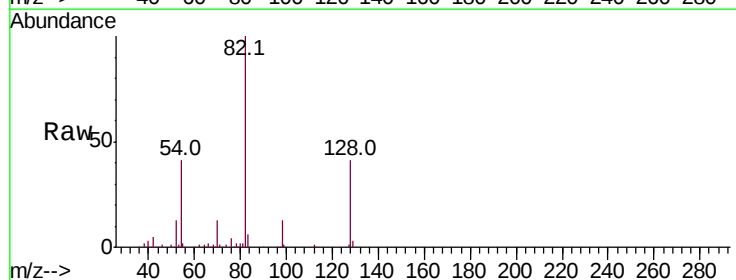
Tgt Ion: 82 Resp: 401332

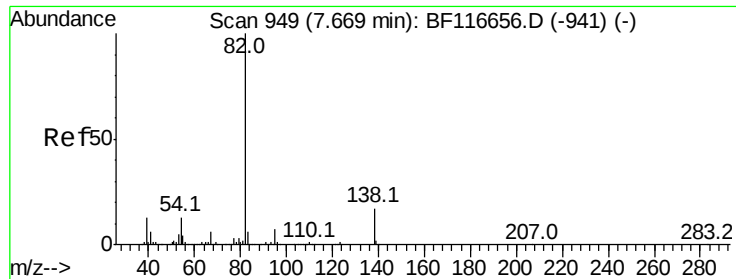
Ion Ratio Lower Upper

82 100

128 41.1 32.8 49.2

54 41.3 36.9 55.3





#25

Isophorone

Concen: 35.582 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.28 min

Lab File: BF116953.D

Acq: 11 Sep 2019 18:27

Instrument :

BNA_F

ClientSampleId :

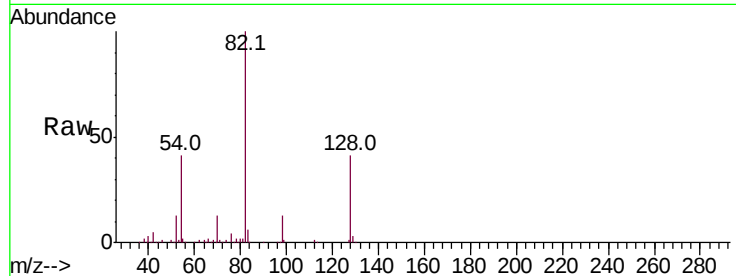
Tot Ion: 82 Resp: 401328

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

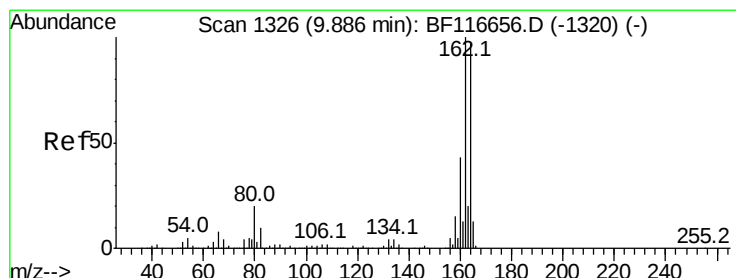
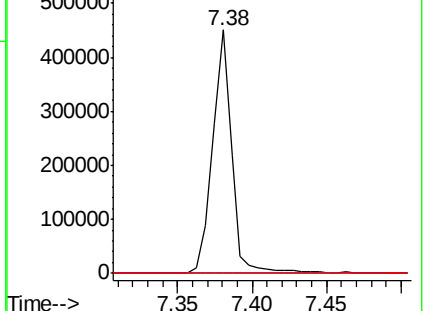
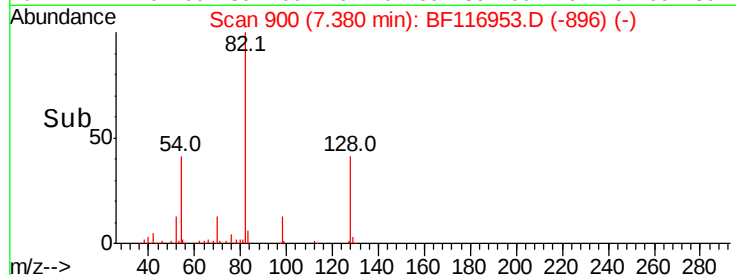
138 0.0 13.5 20.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.02 min

Lab File: BF116953.D

Acq: 11 Sep 2019 18:27

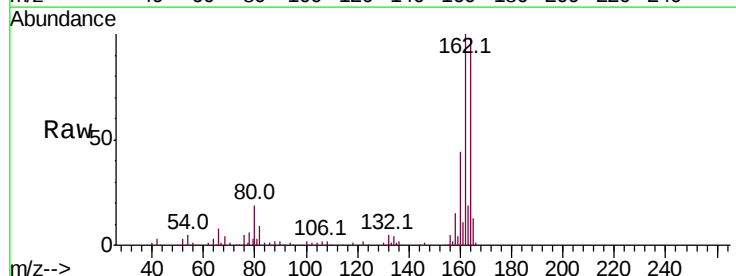
Tgt Ion: 164 Resp: 171134

Ion Ratio Lower Upper

164 100

162 102.2 81.4 122.0

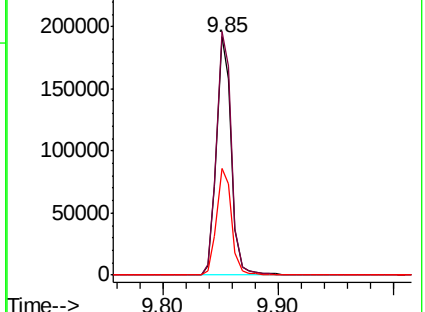
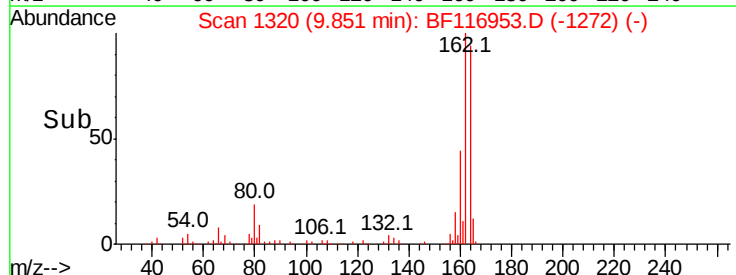
160 45.0 35.4 53.2

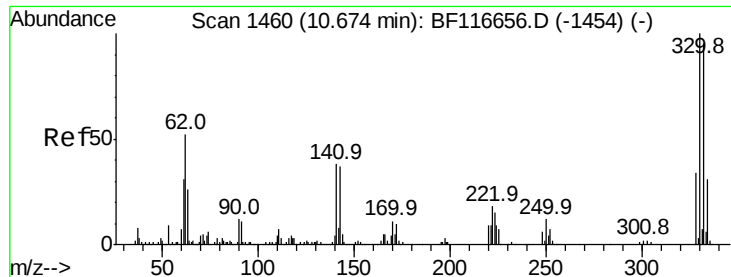


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

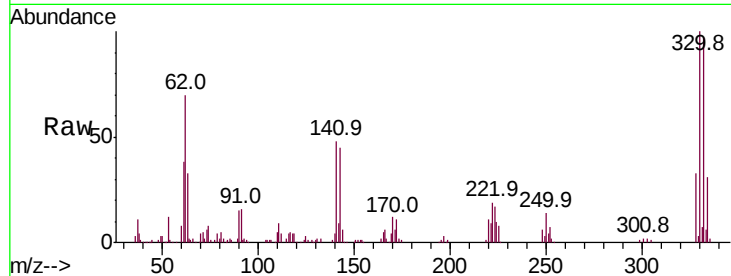




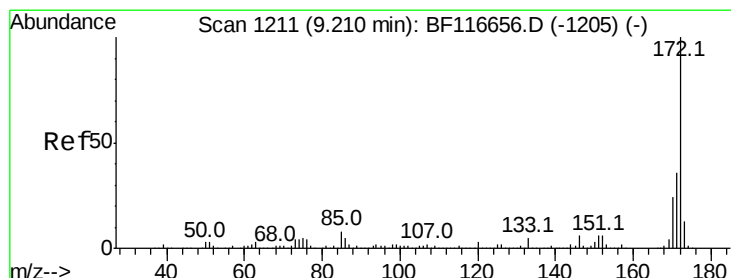
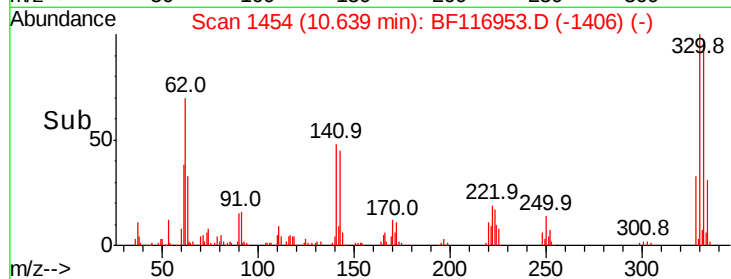
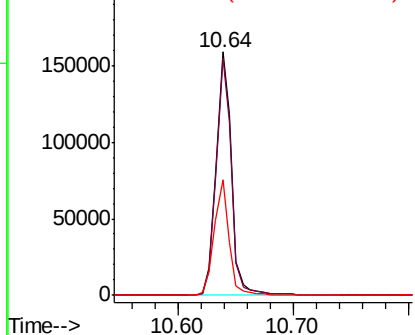
#42
 2,4,6-Tribromophenol
 Concen: 128.687 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: BF116953.D
 Acq: 11 Sep 2019 18:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.9	115.3
141	45.7	31.4	47.2

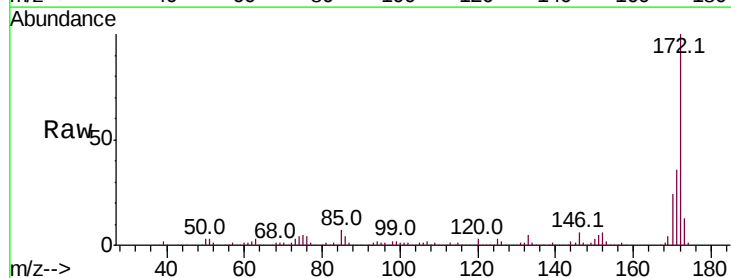


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

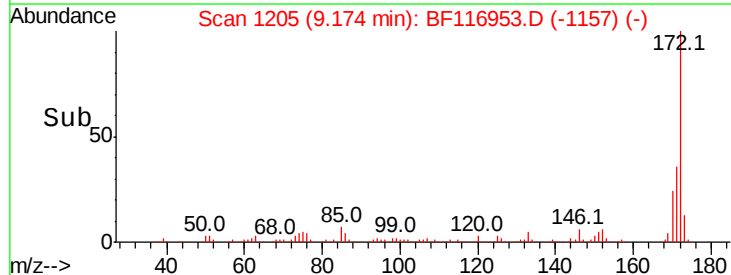
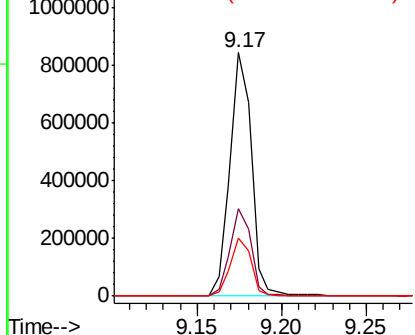


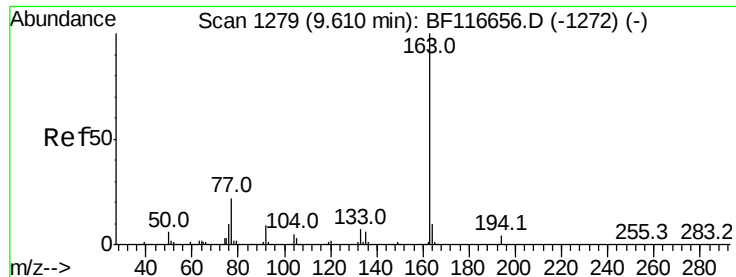
#45
 2-Fluorobiphenyl
 Concen: 73.958 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: BF116953.D
 Acq: 11 Sep 2019 18:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	27.8	41.6
170	23.8	18.9	28.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 6.674 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.03 min

Lab File: BF116953.D

Acq: 11 Sep 2019 18:27

Instrument :

BNA_F

ClientSampleId :

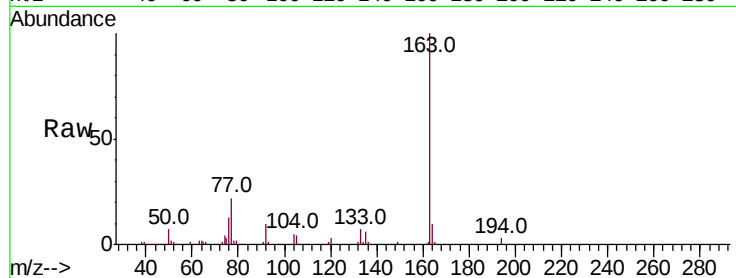
Tot Ion:163 Resp: 78853

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

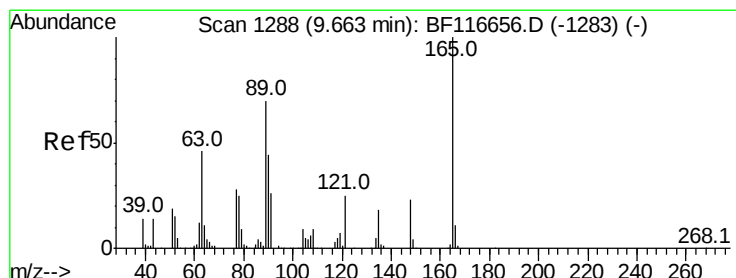
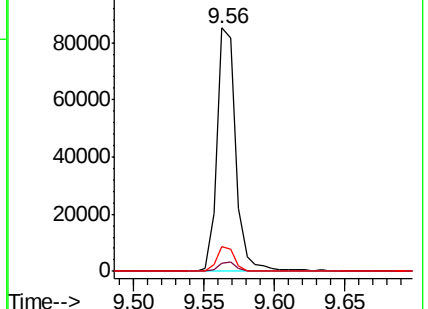
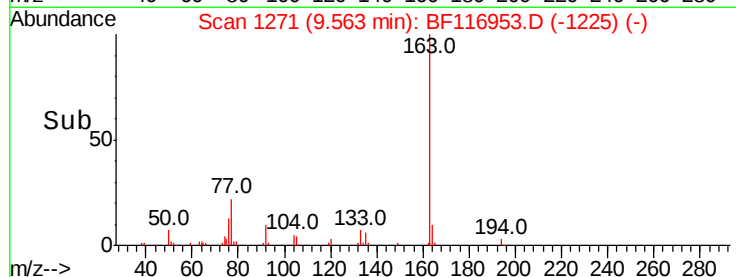
164 10.1 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 9.482 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.20 min

Lab File: BF116953.D

Acq: 11 Sep 2019 18:27

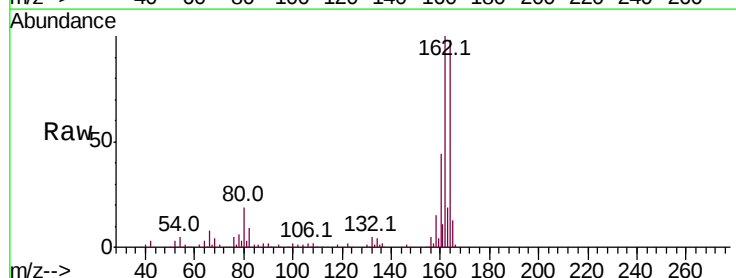
Tgt Ion:165 Resp: 21374

Ion Ratio Lower Upper

165 100

63 0.0 47.3 70.9#

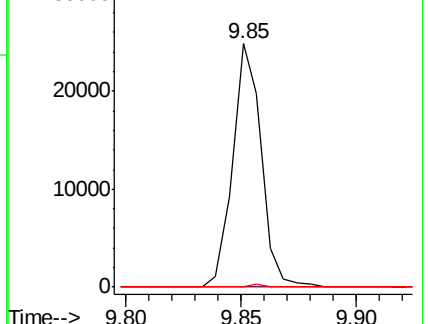
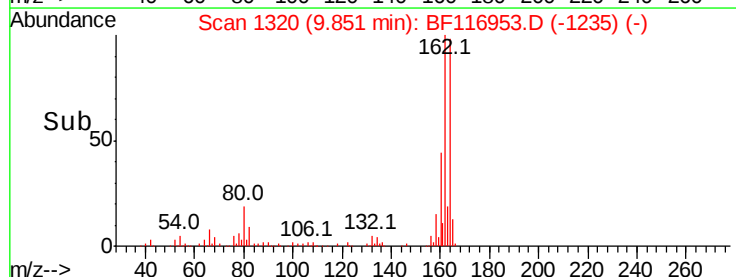
89 0.0 52.5 78.7#

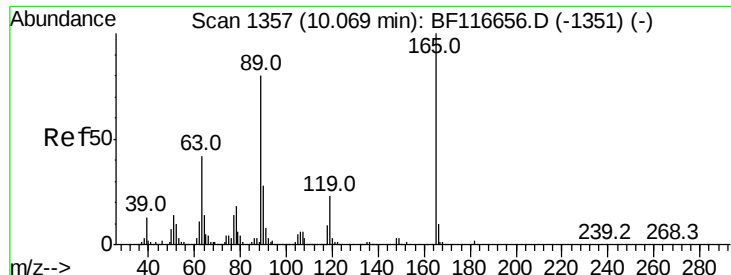


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

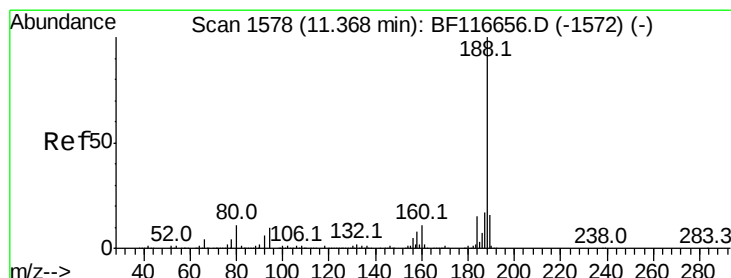
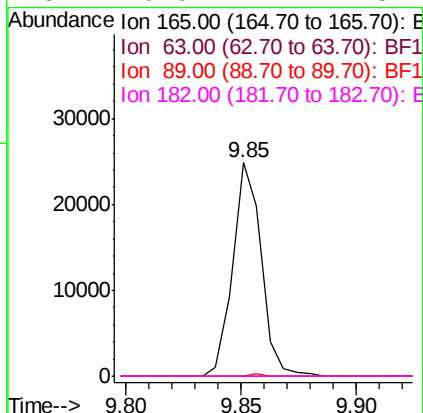
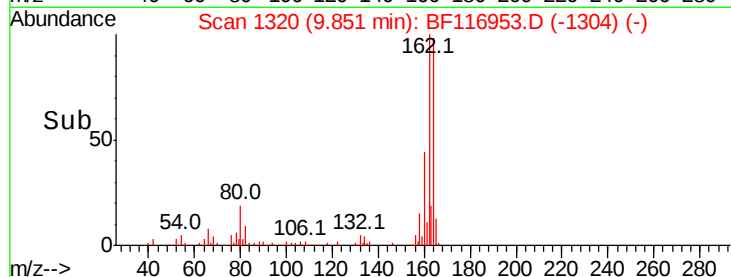
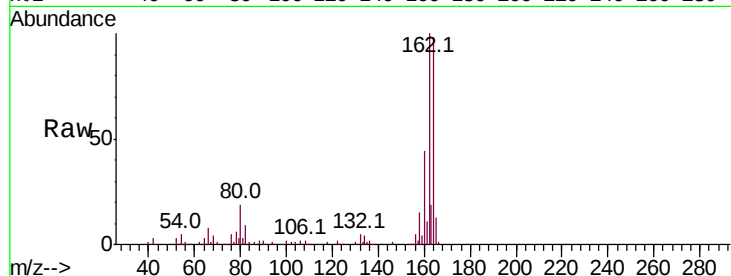




#57
 2,4-Dinitrotoluene
 Concen: 7.754 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.21 min
 Lab File: BF116953.D
 Acq: 11 Sep 2019 18:27

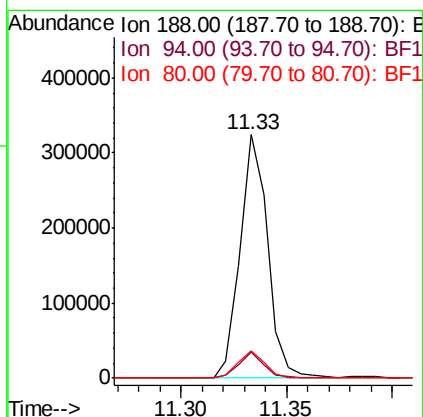
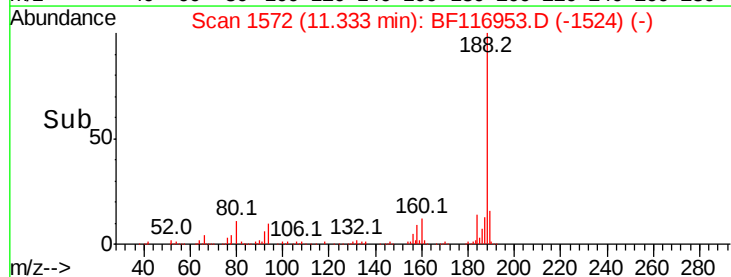
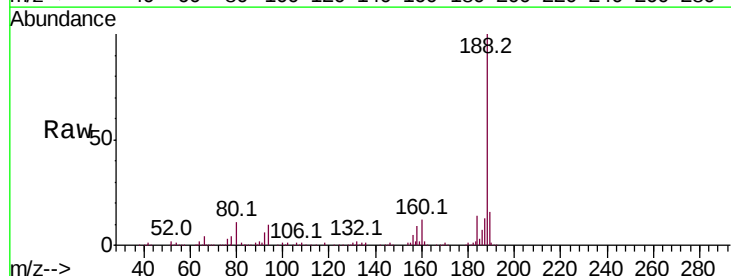
Instrument :
 BNA_F
 ClientSampleId :

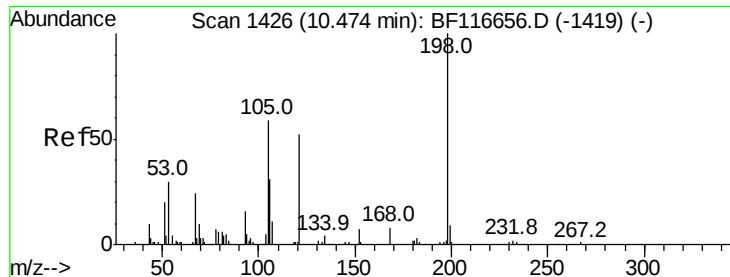
Tot Ion:	165	Resp:	21374
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	62.6	94.0#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.02 min
 Lab File: BF116953.D
 Acq: 11 Sep 2019 18:27

Tgt Ion:	188	Resp:	293453
Ion	Ratio	Lower	Upper
188	100		
94	10.5	7.3	10.9
80	11.2	8.4	12.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.547 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.17 min

Lab File: BF116953.D

Acq: 11 Sep 2019 18:27

Instrument :

BNA_F

ClientSampled :

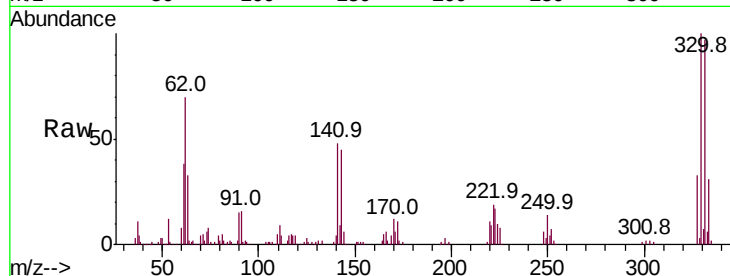
Tot Ion:198 Resp: 123

Ion Ratio Lower Upper

198 100

51 209.1 18.4 58.4#

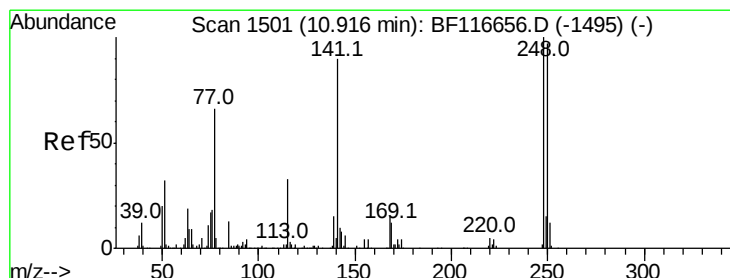
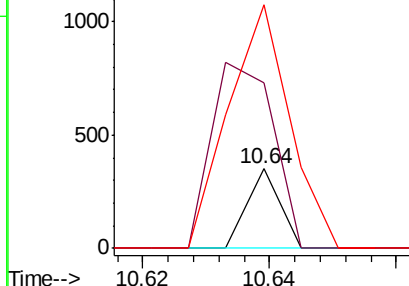
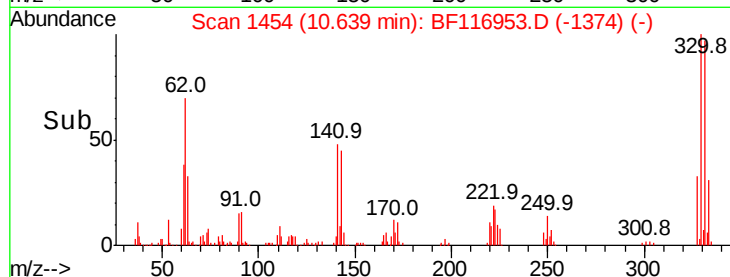
105 306.9 22.9 62.9#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.094 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.26 min

Lab File: BF116953.D

Acq: 11 Sep 2019 18:27

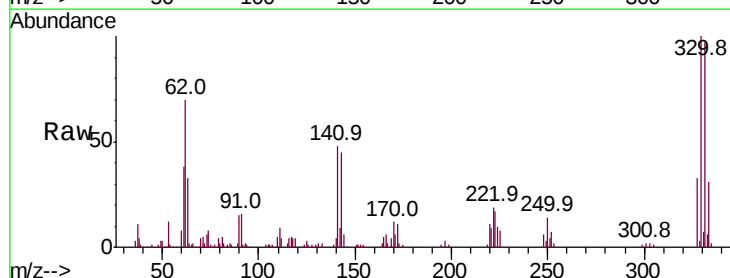
Tgt Ion:248 Resp: 9223

Ion Ratio Lower Upper

248 100

250 212.4 77.8 116.8#

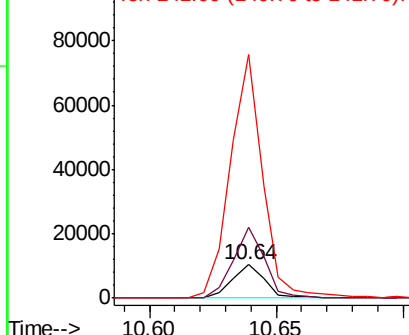
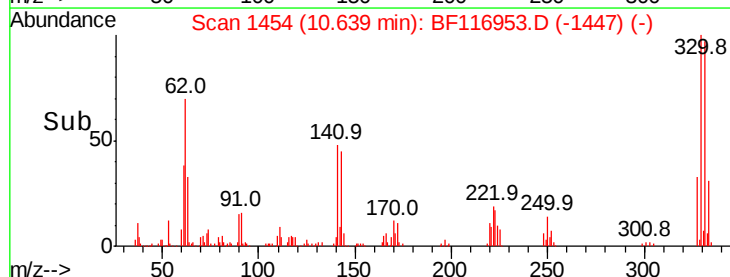
141 734.6 75.9 113.9#

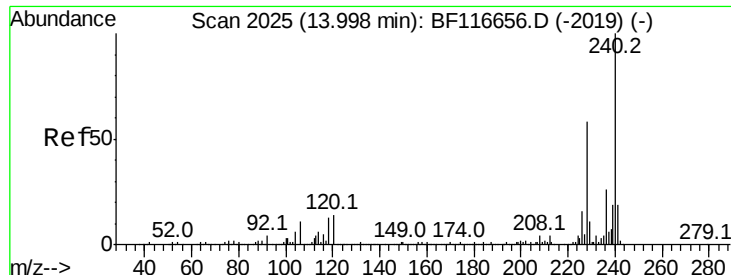


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

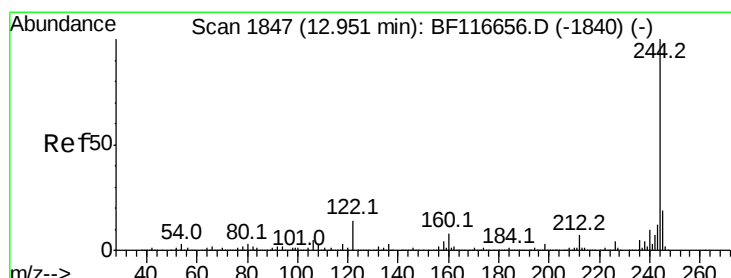
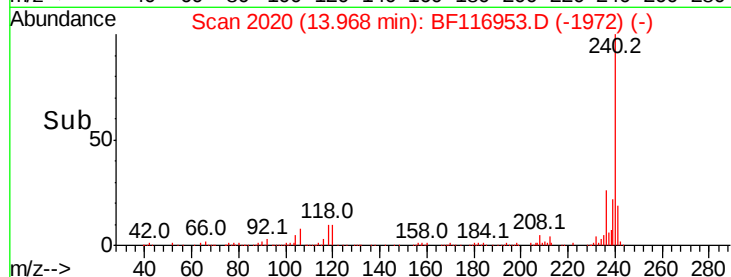
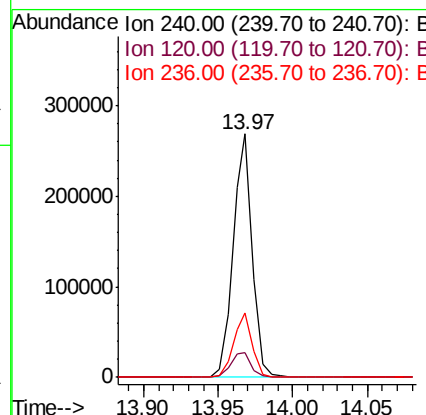
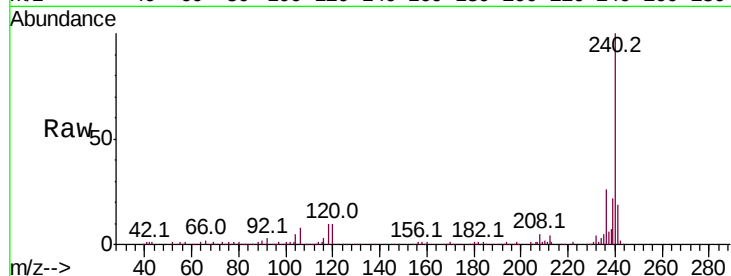




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.02 min
 Lab File: BF116953.D
 Acq: 11 Sep 2019 18:27

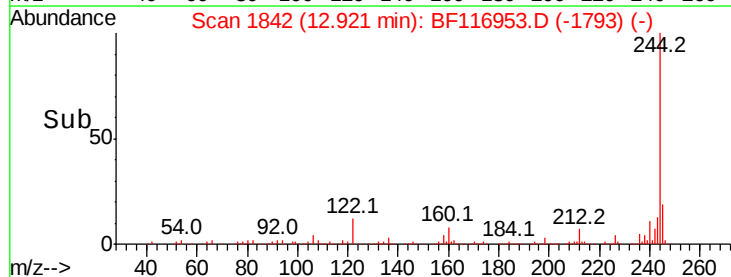
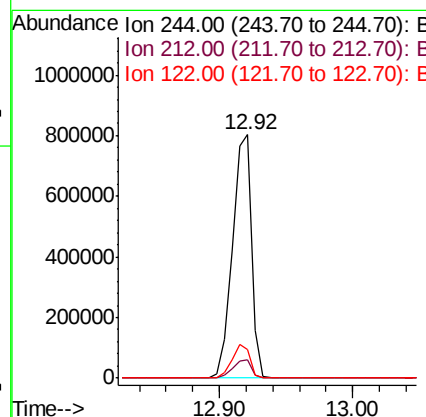
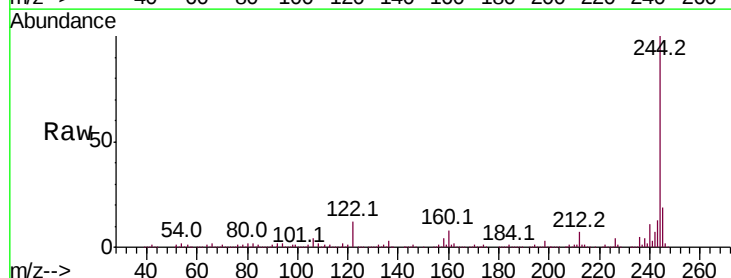
Instrument :
 BNA_F
 ClientSampleId :

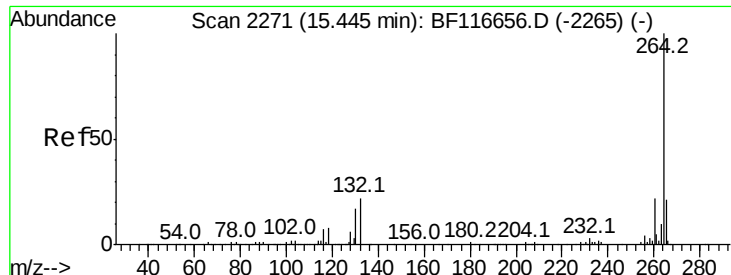
Tot Ion:240 Resp: 242015
 Ion Ratio Lower Upper
 240 100
 120 10.2 9.1 13.7
 236 26.2 21.1 31.7



#79
 Terphenyl-d14
 Concen: 62.195 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.01 min
 Lab File: BF116953.D
 Acq: 11 Sep 2019 18:27

Tgt Ion:244 Resp: 813653
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 11.5 10.2 15.4

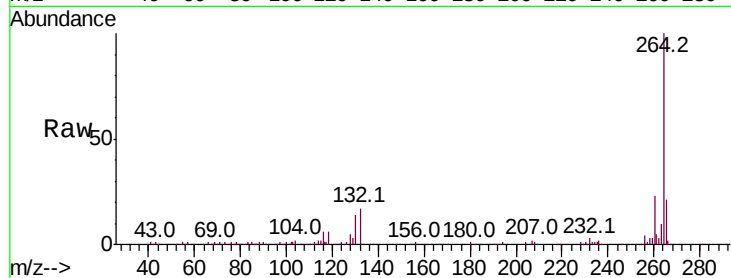




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2265
 Delta R.T. -0.02 min
 Lab File: BF116953.D
 Acq: 11 Sep 2019 18:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.3	27.5
265	21.2	16.5	24.7



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

